

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A vaccine composition suitable for administration to a subject, said composition comprising a virus or a cell and a fusion polypeptide, said fusion polypeptide comprising

a first amino acid sequence which comprises a cell—surface binding moiety

and

a second amino acid sequence comprising a ligand for a cell surface polypeptide of a leukocyte,

wherein said vaccine composition includes said fusion polypeptide bound to said virus or said cell and includes said polypeptide which is not bound to said virus or said cell.

2. (Currently amended) The ~~vaccine~~ composition of claim 1, wherein said ligand of said second amino acid sequence is chosen from the group: a ligand for a cytokine receptor, a ligand for CD40, a ligand for an adhesion molecule, a ligand for a defensin receptor, a ligand for a heat shock protein receptor, a ligand for a T cell costimulatory molecule, a ligand for a counterreceptor for a T cell costimulatory molecule, a ligand for an opsonin receptor.

3. (Withdrawn) The vaccine composition of claim 2 wherein said ligand comprises at least five contiguous amino acids of a naturally occurring cytokine, said cytokine being chosen from the group: GM-CSF, an interleukin, a chemokine, an interferon, a TNF-alpha, a flt-3 ligand.

4. (Withdrawn) The vaccine composition of claim 2 wherein said ligand comprises at least about five contiguous amino acids of a naturally occurring CD154 molecule.

5. (Currently amended) The ~~vaccine~~ composition of claim 1, wherein said comprised cell is chosen from the group: a tumor cell, a bacterial cell, a fungal cell, a cell of a parasite, a mammalian cell, an insect cell.
6. (Currently amended) The ~~vaccine~~ composition of claim 5, wherein said cell is pathogenic.
7. (Currently amended) The ~~vaccine~~ composition of claim 5, wherein said cell is attenuated.
8. (Currently amended) The ~~vaccine~~ composition of claim 1, wherein said cell is substantially unable to divide.
9. (Currently amended) The ~~vaccine~~ composition of claim 1, wherein said leukocyte is an antigen presenting cell.
10. (Currently amended) The ~~vaccine~~ composition of claim 9, wherein said leukocyte is a professional antigen presenting cell.
11. (Currently amended) The ~~vaccine~~ composition of claim 9, wherein said leukocyte is a dendritic cell.